

SEQUENCE LISTING

<110> Beckwith, Jonathan *et al.*

<120> Compositions and Methods for Production of Disulfide Bond Containing Proteins in Host Cells

<130> HMV-052.01

<160> 4

<170> PatentIn version 3.0

<210> 21

<211> 1483

<212> DNA

<213> Escherichia coli

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<221> CDS

<222> (195)..(758)

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taatggaaac gcattaccgg aatcggcaaa aattgggttac cttacatctc atcgaaaaca
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Met Ser Leu Ile Asn Thr Lys Ile Lys Pro Phe Lys

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Tyr Val Ala Ser His Pro Gly Glu Val Cys Pro Ala Lys Trp Lys Glu

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758

Gly Glu Ala Thr Leu Ala Pro Ser Leu Asp Leu Val Gly Lys Ile

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Thr Glu Leu Gly Asp Val Ala Asp His Tyr Glu Glu Leu Gln Lys Leu
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Gly Val Asp Val Tyr Ala Val Ser Thr Asp Thr His Phe Thr His Lys
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Ala Trp His Ser Ser Ser Glu Thr Ile Ala Lys Ile Lys Tyr Ala Met
 85 90 95

Ile Gly Asp Pro Thr Gly Ala Leu Thr Arg Asn Phe Asp Asn Met Arg
 100 105 110

Glu Asp Glu Gly Leu Ala Asp Arg Ala Thr Phe Val Val Asp Pro Gln
 115 120 125

Gly Ile Ile Gln Ala Ile Glu Val Thr Ala Glu Gly Ile Gly Arg Asp
 130 135 140

Ala Ser Asp Leu Leu Arg Lys Ile Lys Ala Ala Gln Tyr Val Ala Ser
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cggaggaagt atag atg tcc ttg att aac acc aaa att aaa cct ttt aaa
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Met Ser Leu Ile Asn Thr Lys Ile Lys Pro Phe Lys

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aac cag gca ttc aaa aac ggc gaa ttc atc gaa atc acc gaa aaa gat
278

Asn Gln Ala Phe Lys Asn Gly Glu Phe Ile Glu Ile Thr Glu Lys Asp

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acc gaa ggc cgc tgg agc gtc ttc ttc ttc ttc tac ccg gct gac ttt
326

Thr Glu Gly Arg Trp Ser Val Phe Phe Phe Phe Tyr Pro Ala Asp Phe

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374

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Phe Asp Asn Met Arg Glu Asp Glu Gly Leu Ala Asp Arg Ala Thr Phe

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115

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130

135

140

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Gly Ile Gly Arg Asp Ala Ser Asp Leu Leu Arg Lys Ile Lys Ala Ala

145

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710

Gln Tyr Val Ala Ser His Pro Gly Glu Val Cys Pro Ala Lys Trp Lys

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gaa ggt gaa gca act ctg gct ccg tct ctg gac ctg gtt ggt aaa atc
758

Glu Gly Glu Ala Thr Leu Ala Pro Ser Leu Asp Leu Val Gly Lys Ile

175

180

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Trp Ser Val Phe Phe Phe Phe Tyr Pro Ala Asp Phe Thr Phe Val Cys
 35 40 45

Pro Thr Glu Leu Gly Asp Val Ala Asp His Tyr Glu Glu Leu Gln Lys
 50 55 60

Leu Gly Val Asp Val Tyr Ala Val Ser Thr Asp Thr His Phe Thr His
 65 70 75 80

Lys Ala Trp His Ser Ser Ser Glu Thr Ile Ala Lys Ile Lys Tyr Ala
 85 90 95

Met Ile Gly Asp Pro Thr Gly Ala Leu Thr Arg Asn Phe Asp Asn Met
 100 105 110

Arg Glu Asp Glu Gly Leu Ala Asp Arg Ala Thr Phe Val Val Asp Pro
 115 120 125

Gln Gly Ile Ile Gln Ala Ile Glu Val Thr Ala Glu Gly Ile Gly Arg
 130 135 140

Asp Ala Ser Asp Leu Leu Arg Lys Ile Lys Ala Ala Gln Tyr Val Ala
 145 150 155 160

Ser His Pro Gly Glu Val Cys Pro Ala Lys Trp Lys Glu Gly Glu Ala
 165 170 175

Thr Leu Ala Pro Ser Leu Asp Leu Val Gly Lys Ile
 180 185